

Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

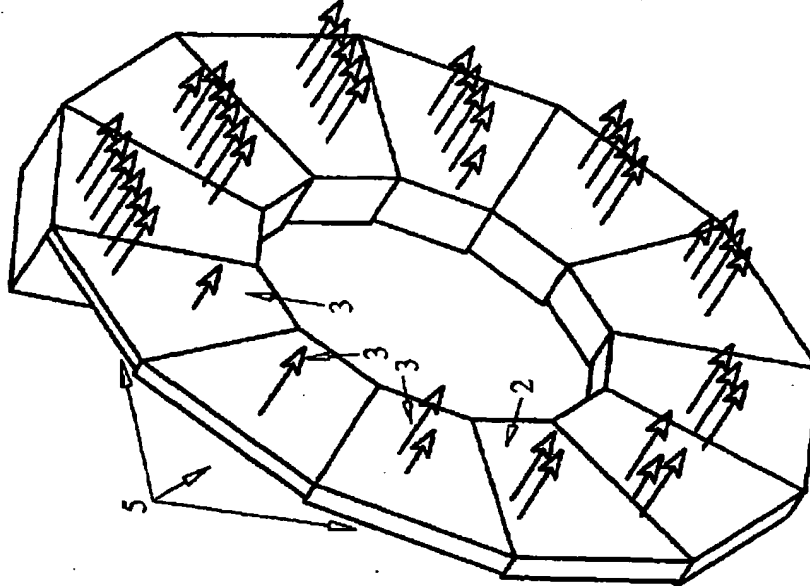


FIG. 2

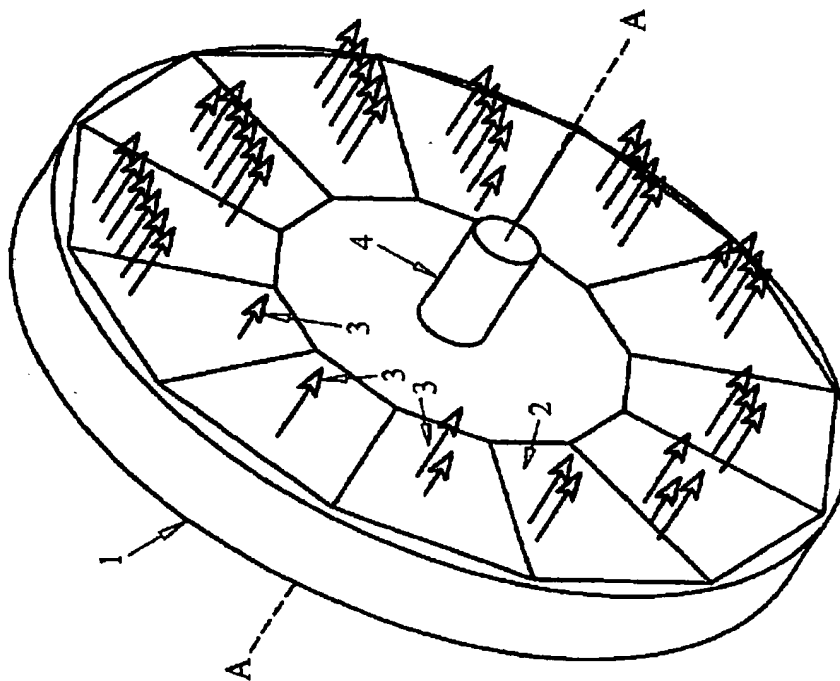


FIG. 1

1/13

Appl. No. 10/801,188
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

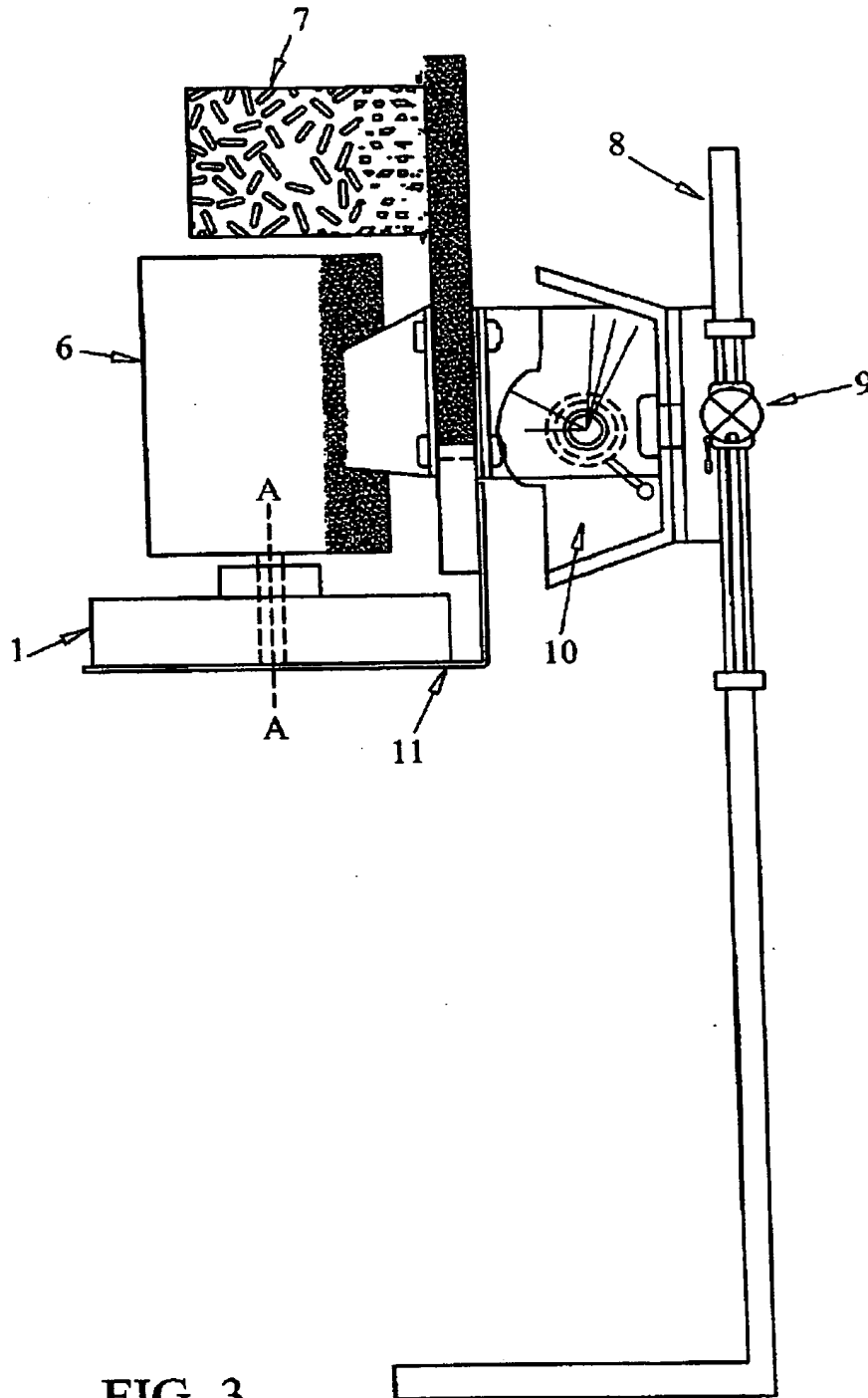
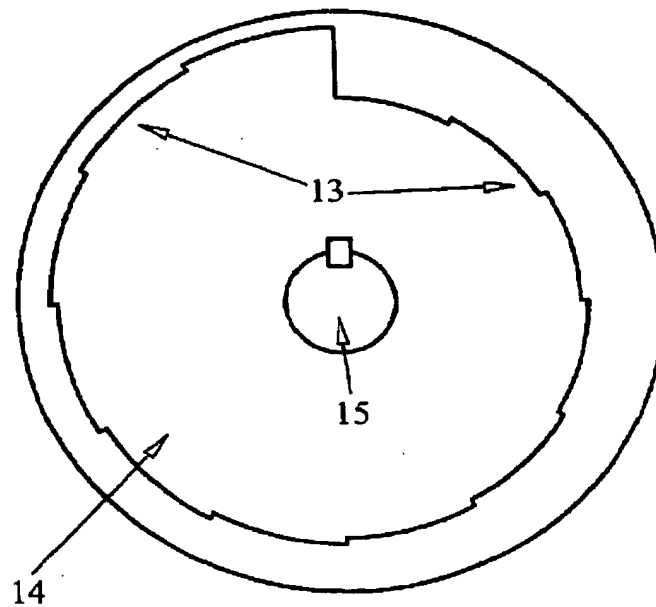
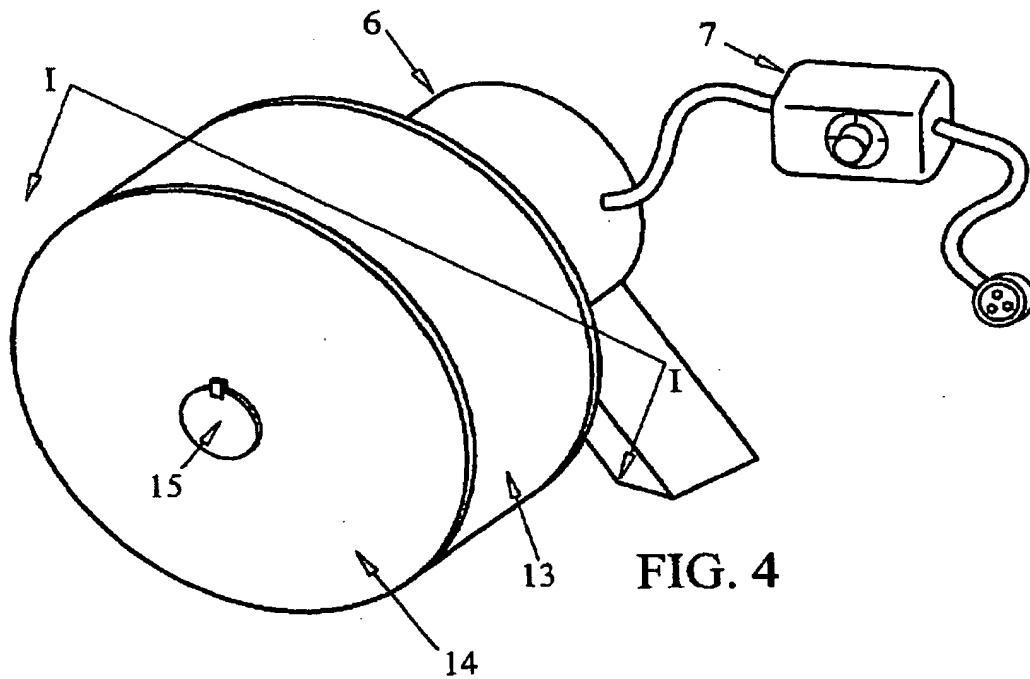


FIG. 3

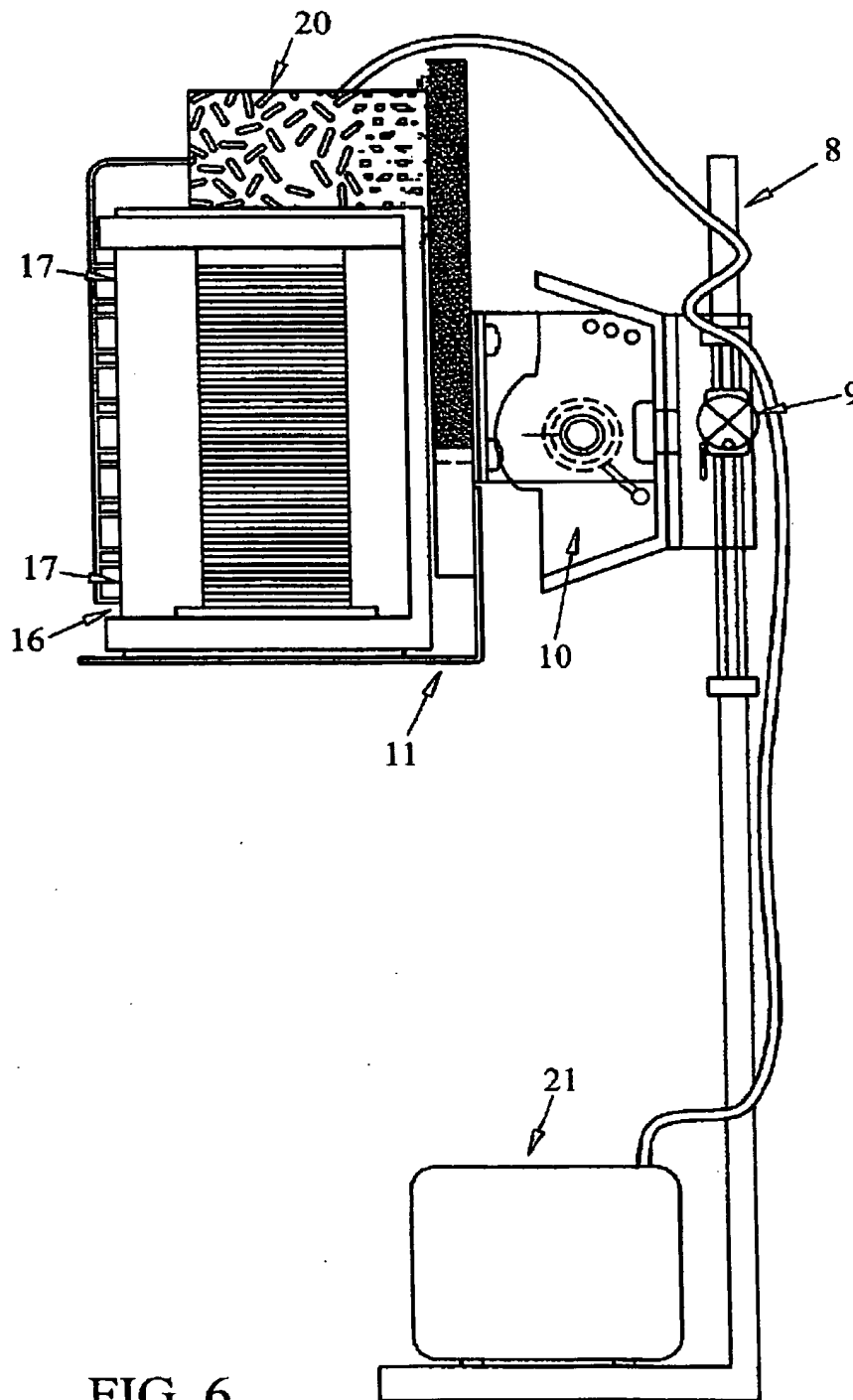
Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2008

REPLACEMENT SHEET



Appl. No. 10/801,168
Amdt. Dated 10/31/2008
Reply to Office Action of 8/15/2008

REPLACEMENT SHEET



Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

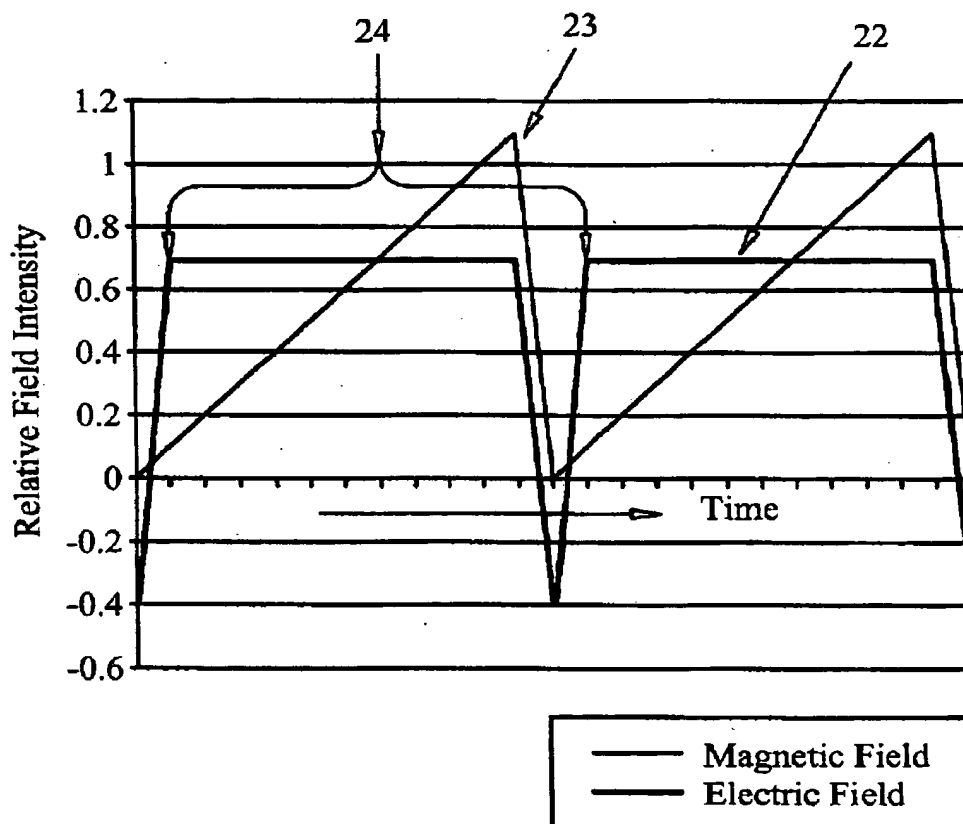


FIG. 7

Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

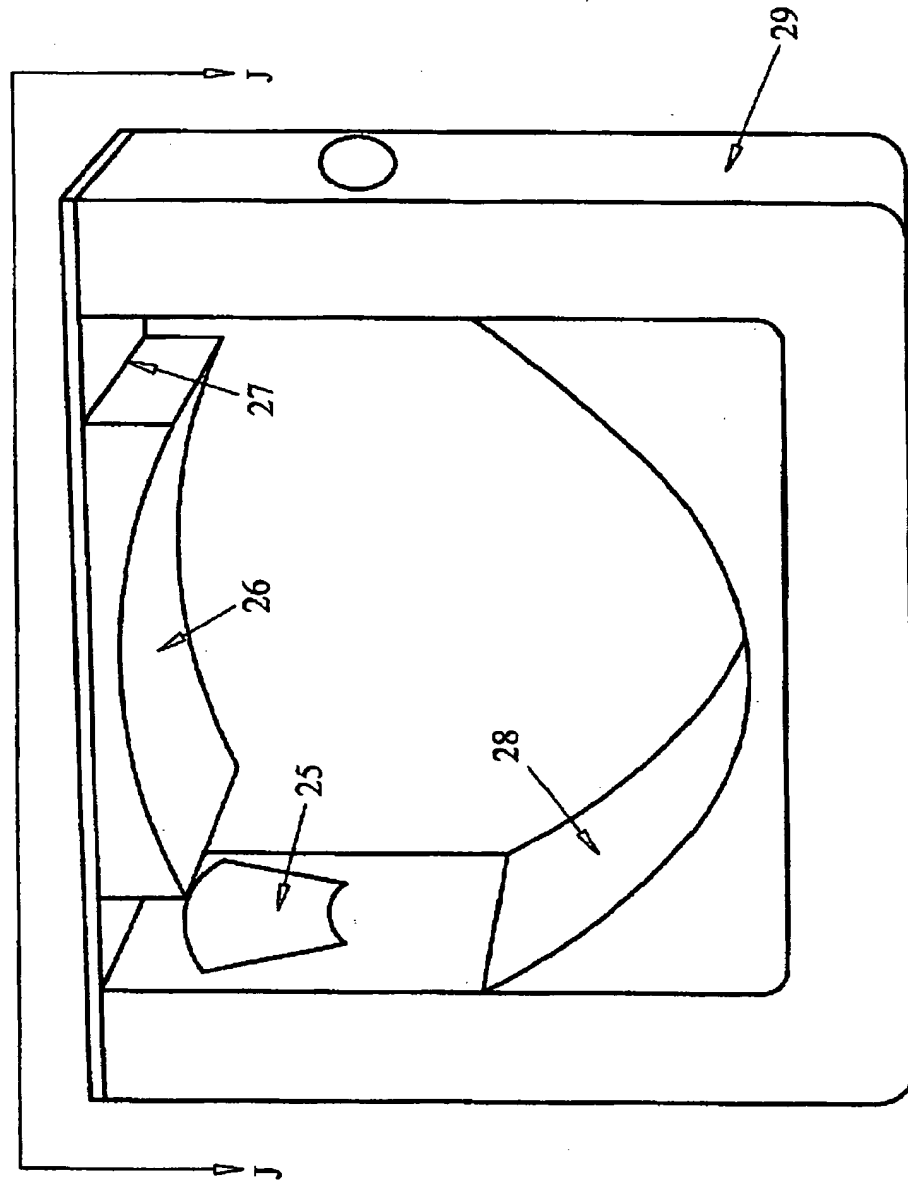


FIG. 9

Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

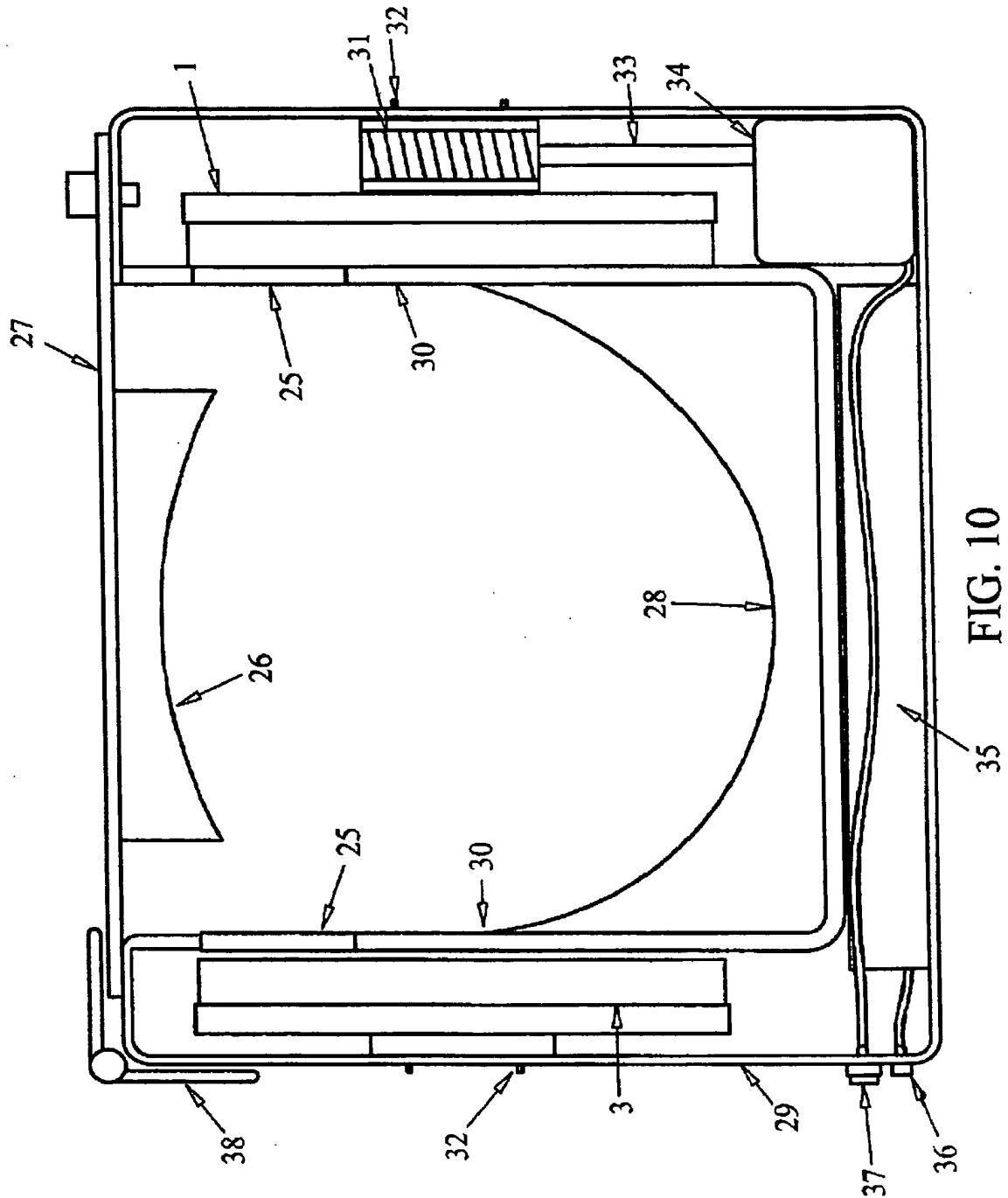


FIG. 10

Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006
REPLACEMENT SHEET

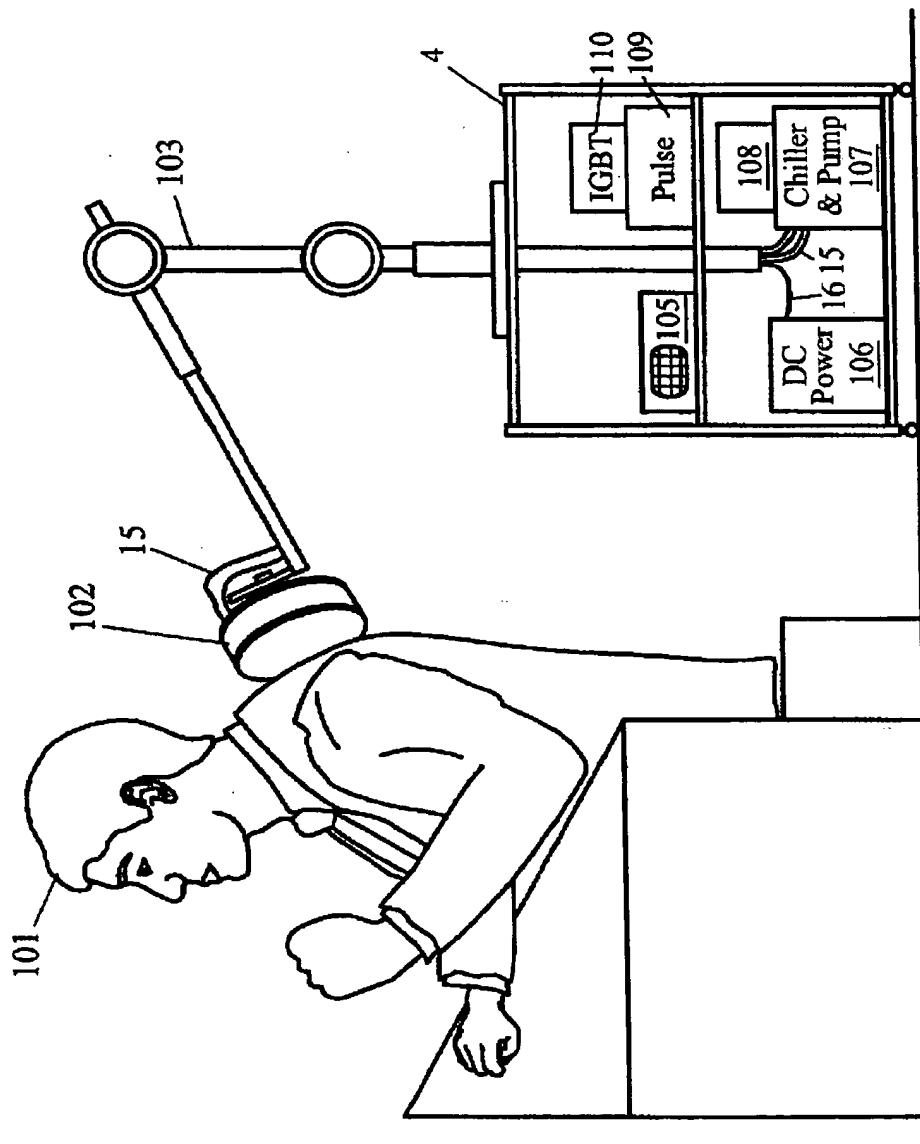
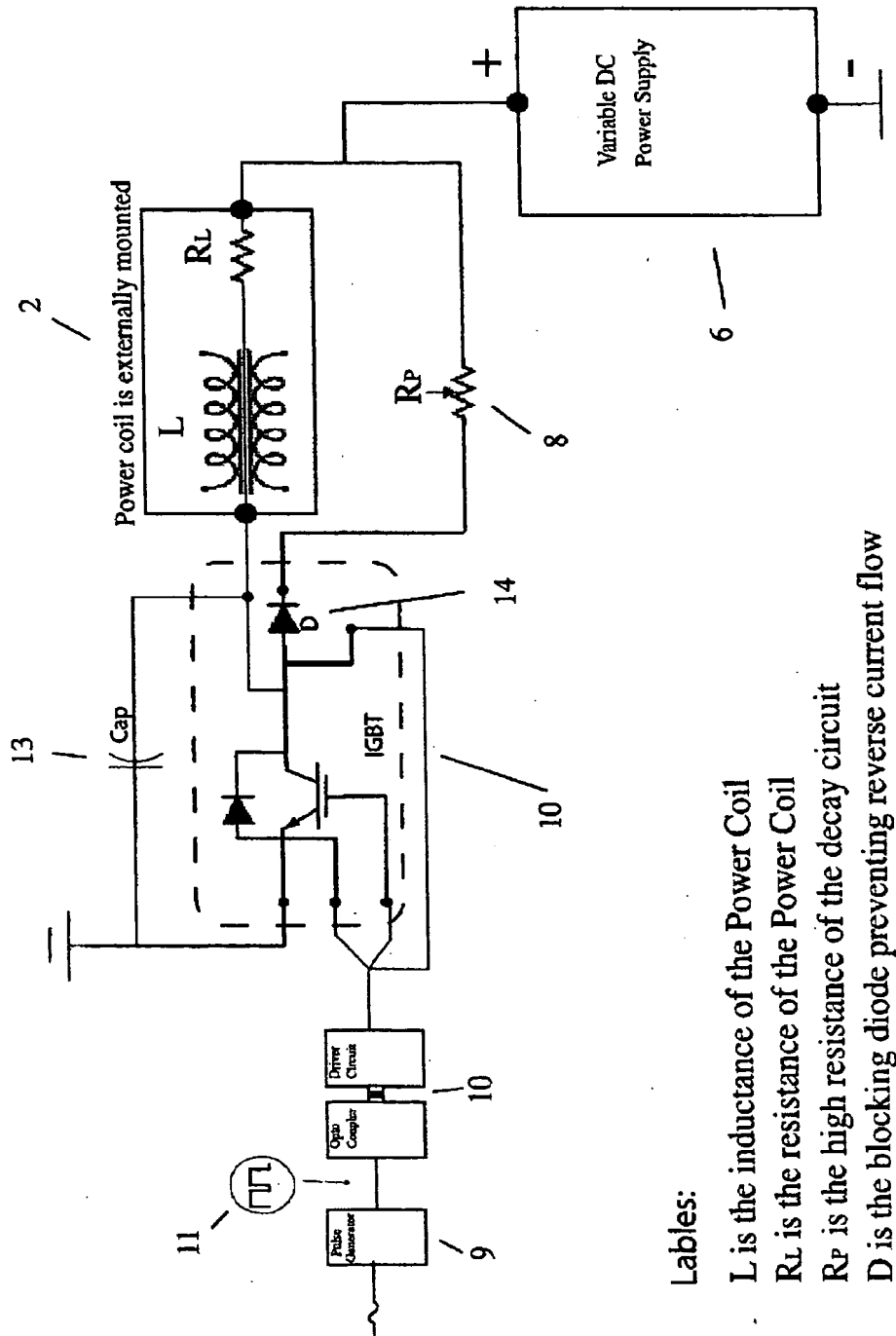


FIG. 11

Appl. No. 10/801,188
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET



Labels:

L is the inductance of the Power Coil

R_L is the resistance of the Power Coil

R_P is the high resistance of the decay circuit

D is the blocking diode preventing reverse current flow

IGBT is a high speed gate that opens and closes the circuit

FIG. 12

Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006
REPLACEMENT SHEET

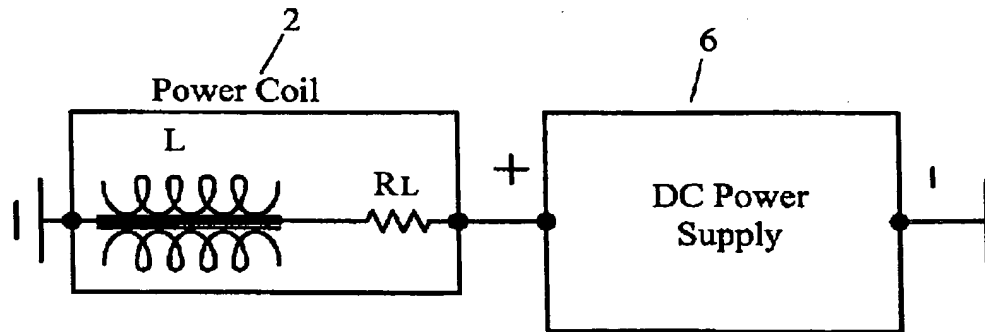


FIG. 13A

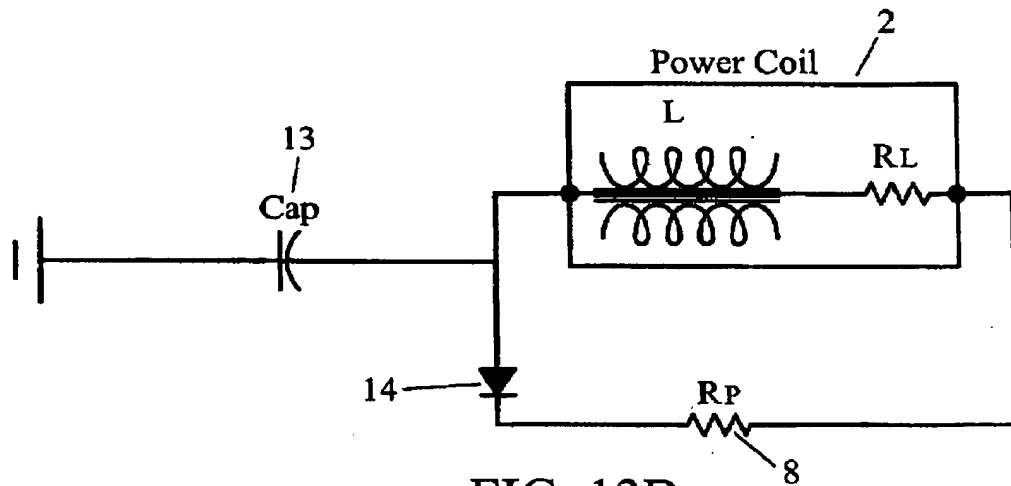


FIG. 13B

Appl. No. 10/801,168
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

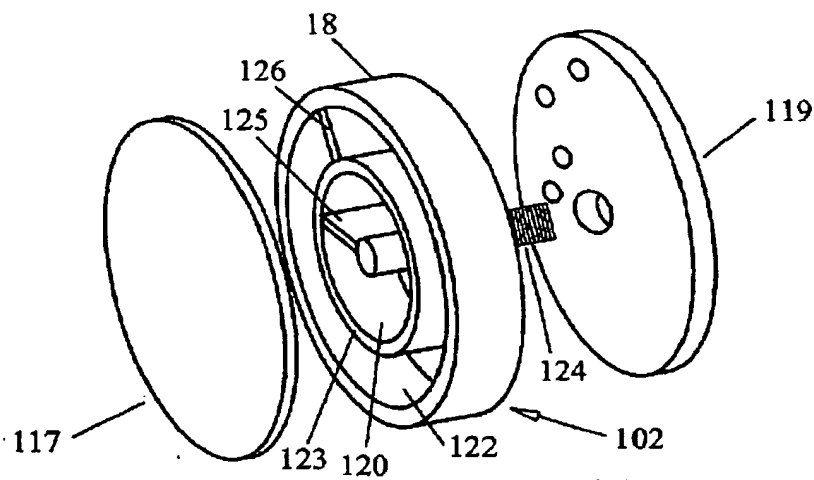


FIG. 14A

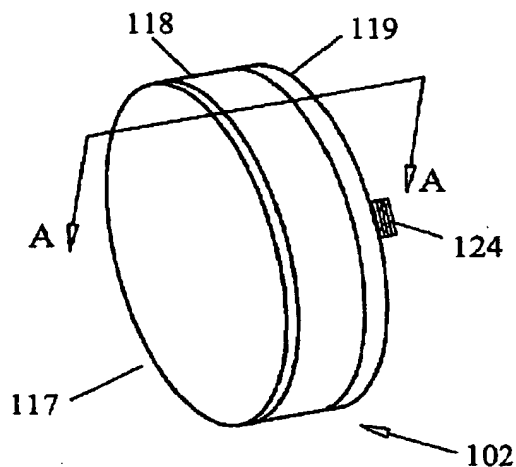


FIG. 14B

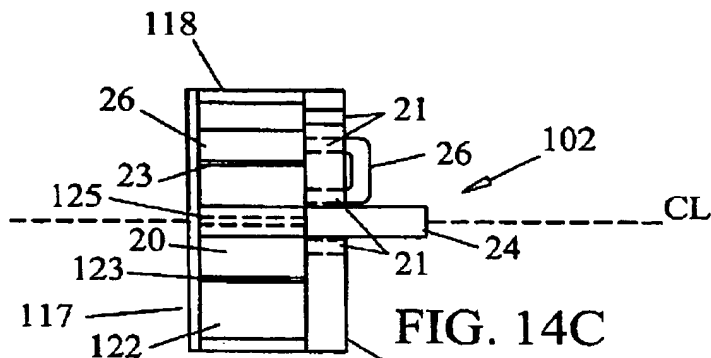
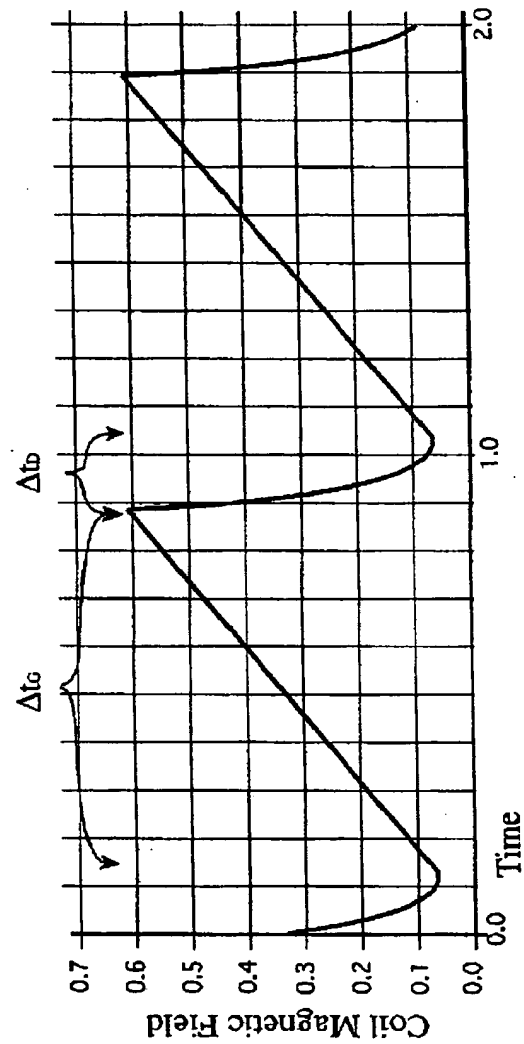
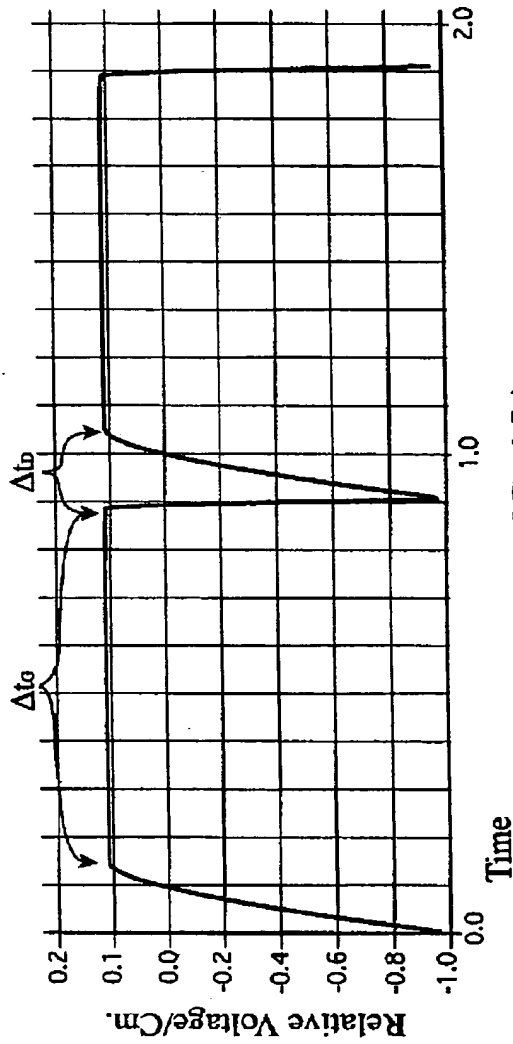


FIG. 14C

11/13

Appl. No. 10/801,188
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET



Appl. No. 10/801,188
Amdt. Dated 10/31/2006
Reply to Office Action of 9/15/2006

REPLACEMENT SHEET

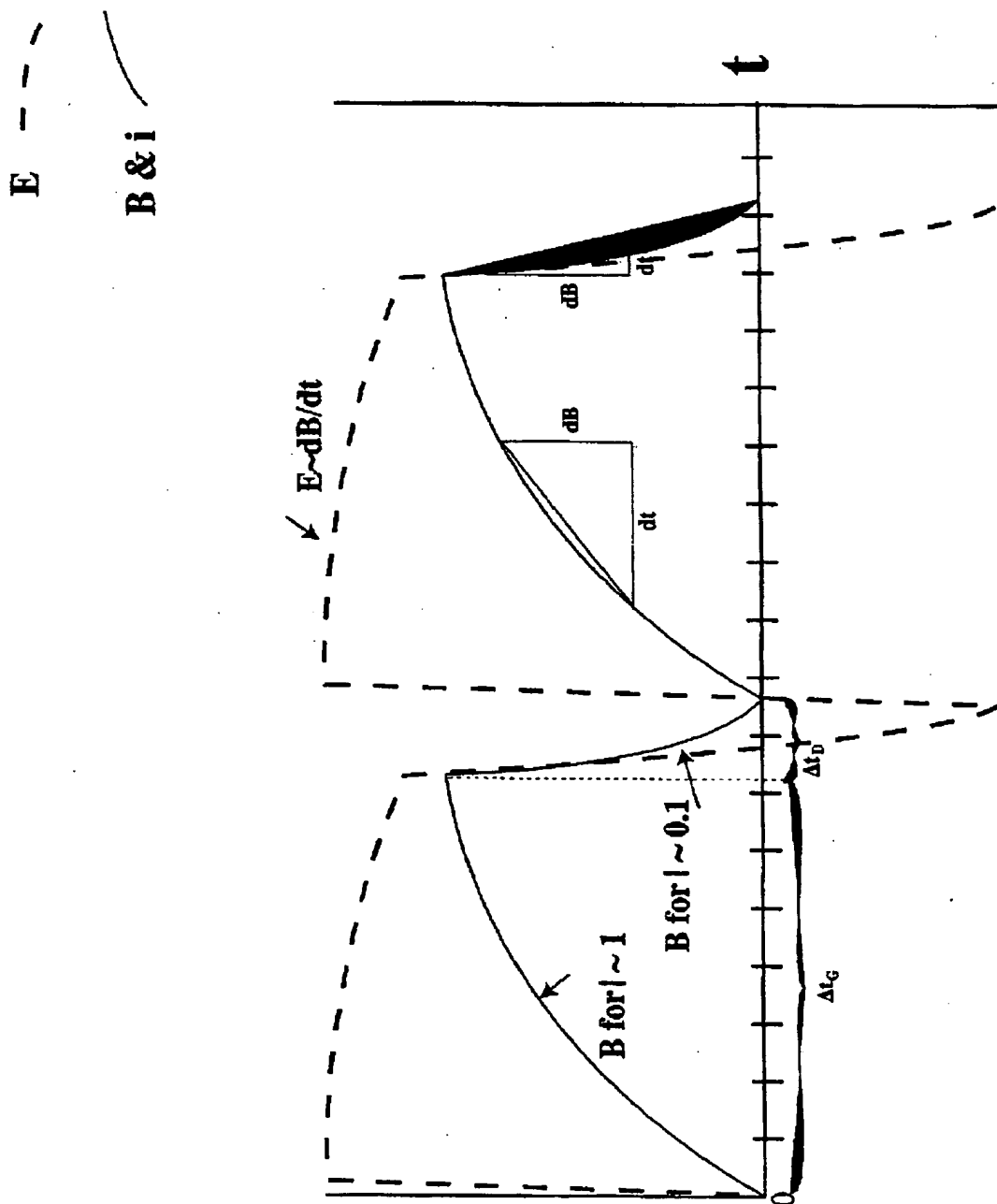


FIG. 16